

FIG. 1

CC-NUMA Memory Latency

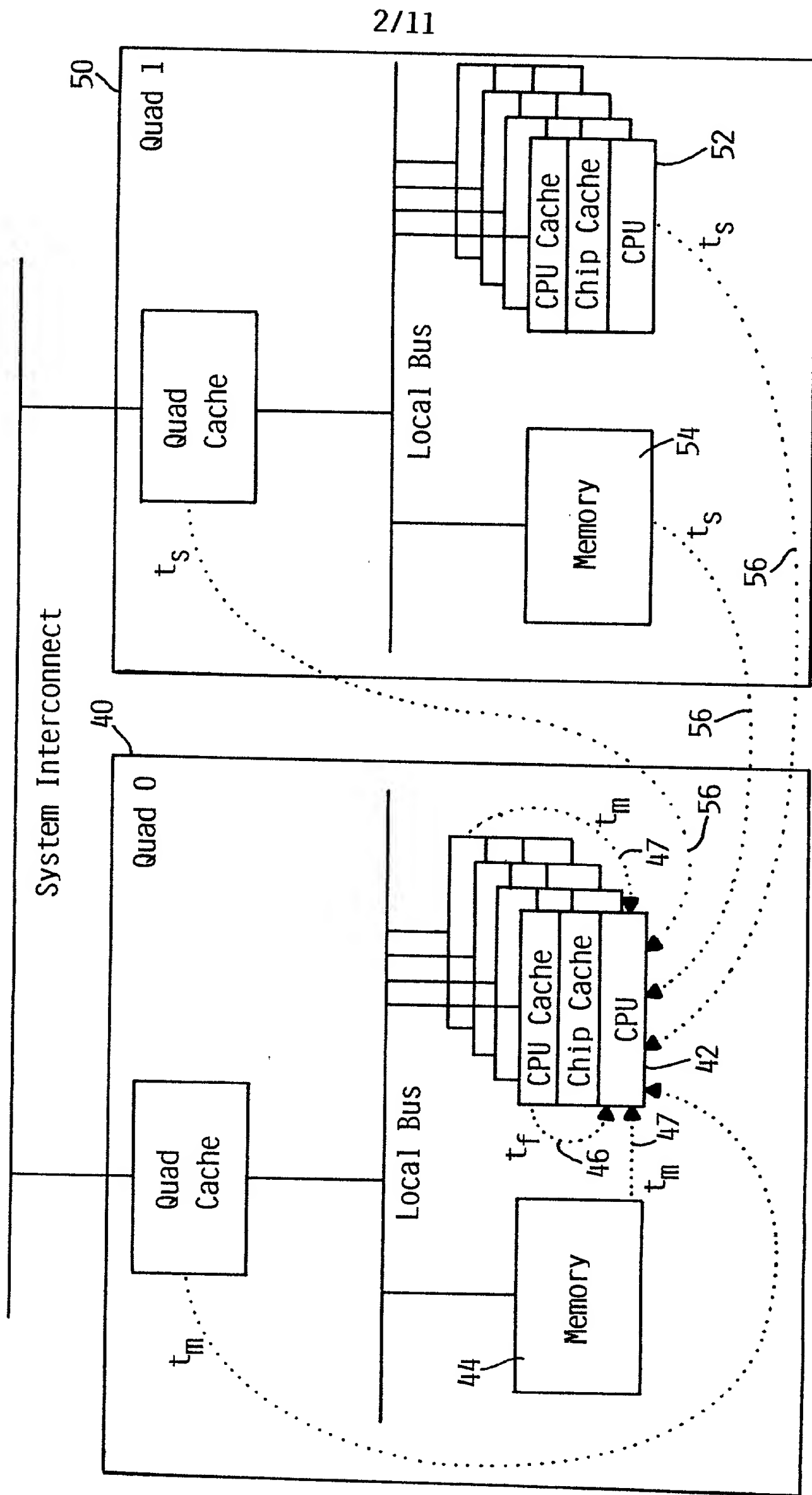


FIG. 2

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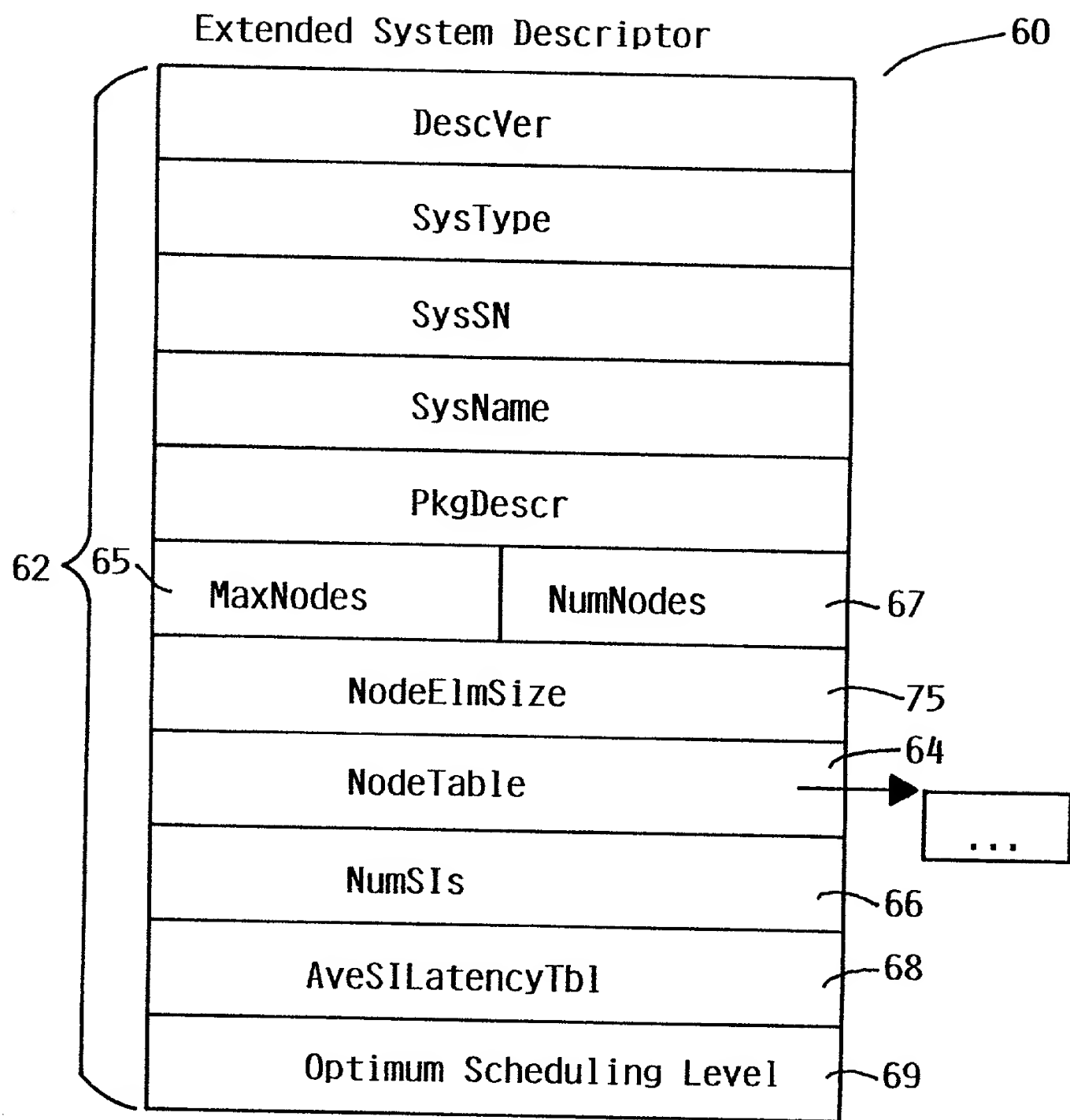


FIG. 3

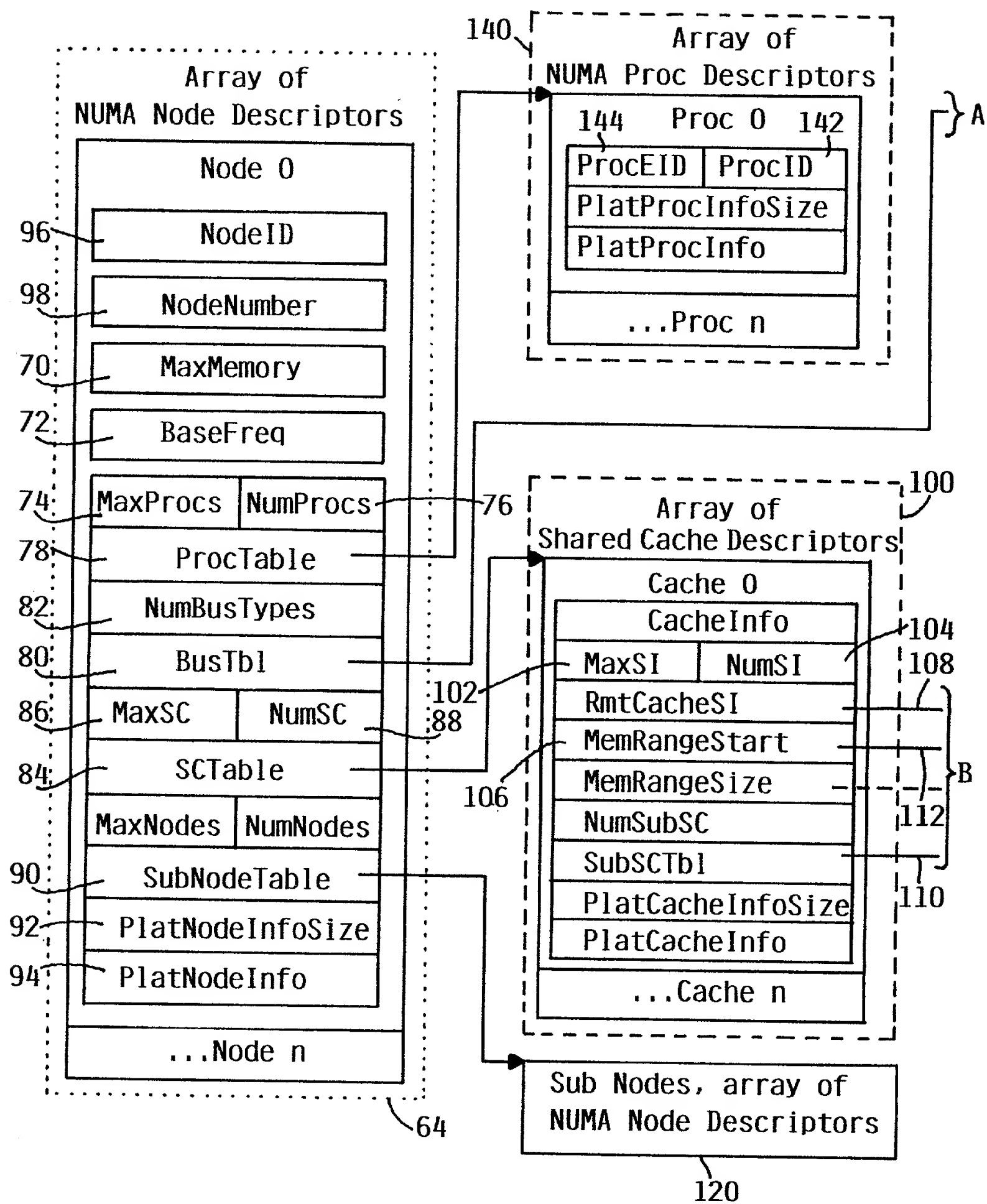
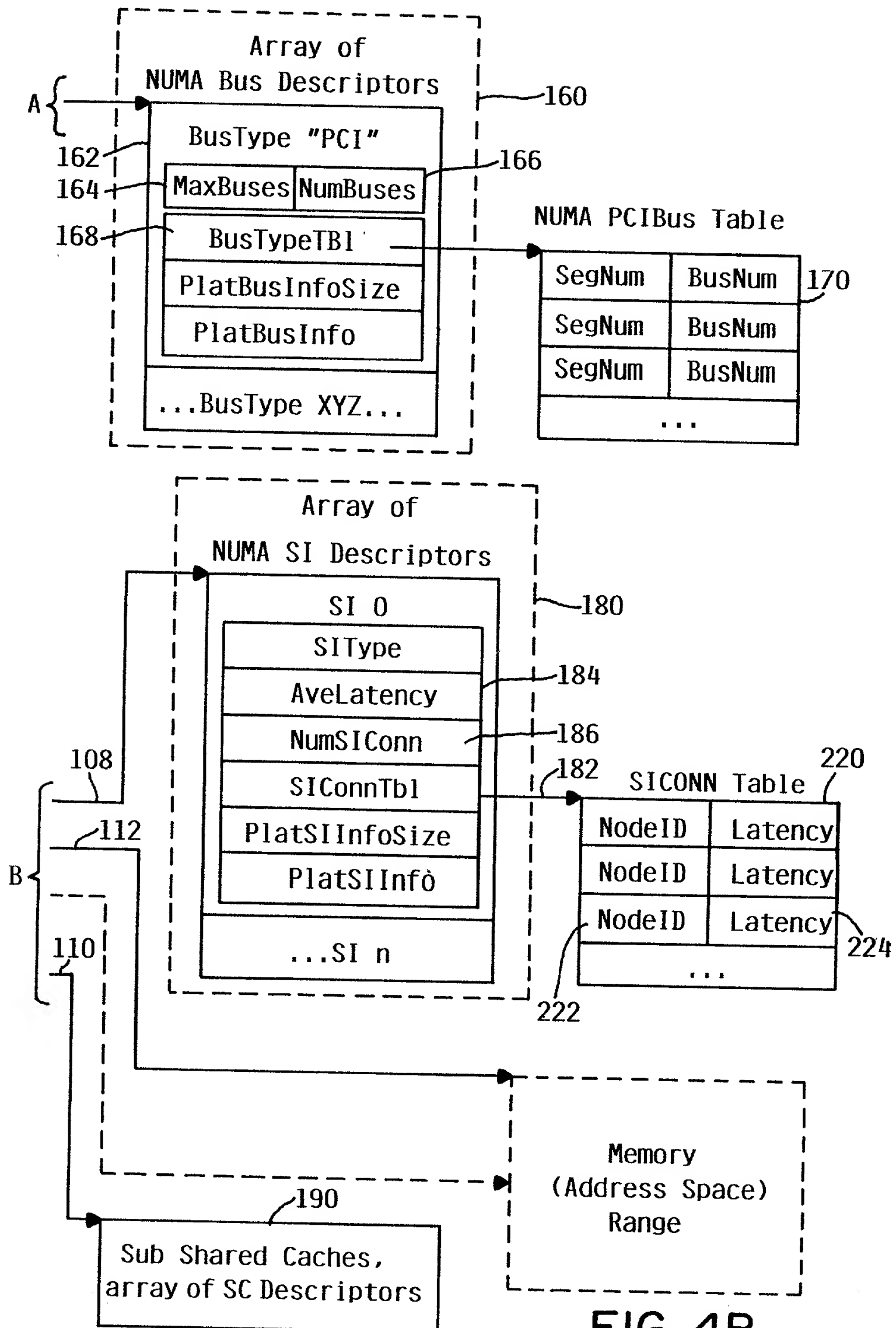


FIG. 4A

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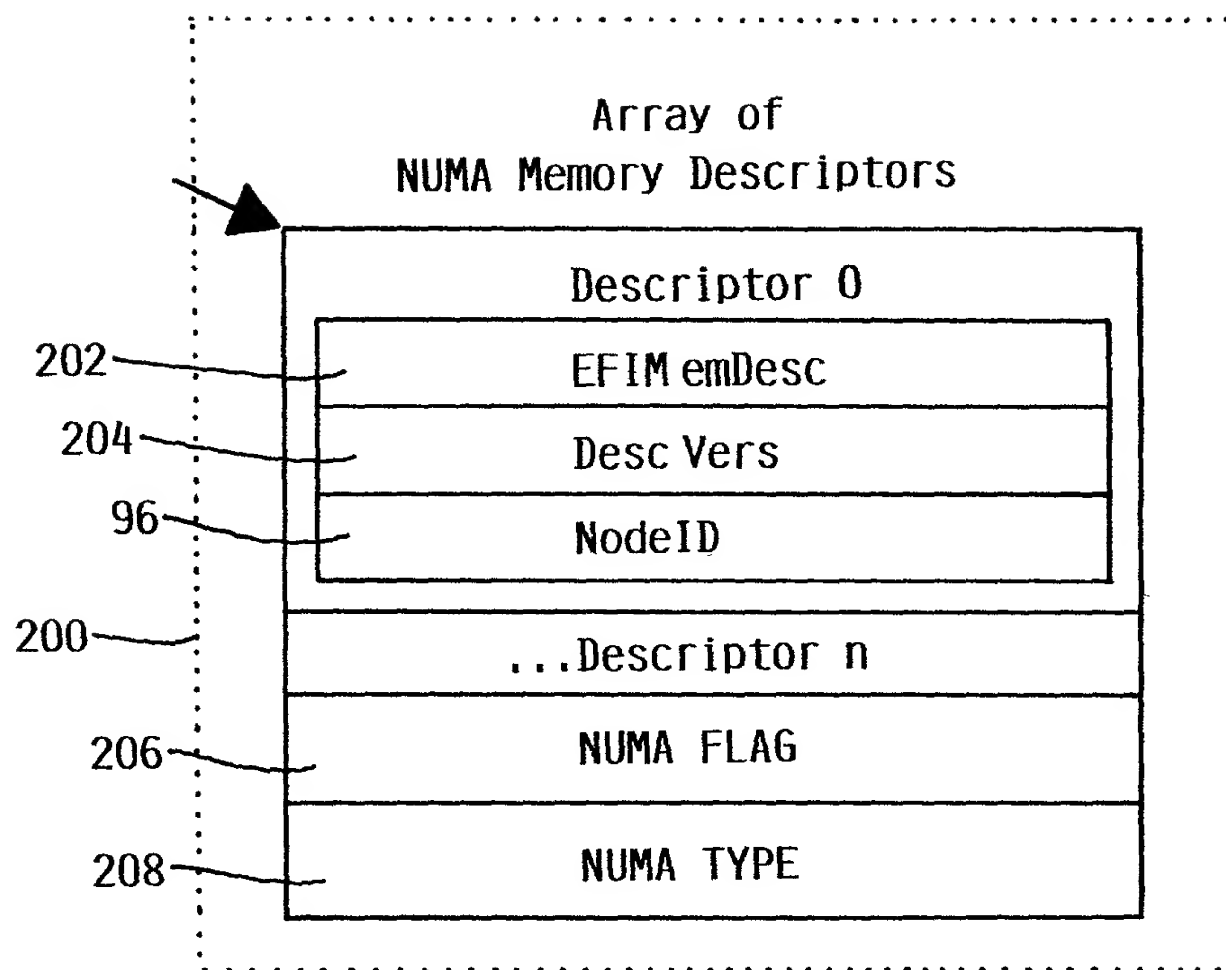


FIG. 5

NUMA Resource Description

NUMA Memory Map

200

NodeID	Start	Length	Type	Flags	---	A
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags	---	B
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags	---	C
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
NodeID	Start	Length	Type	Flags		
...						
NodeID	Start	Length	Type	Flags	---	

FIG. 6A

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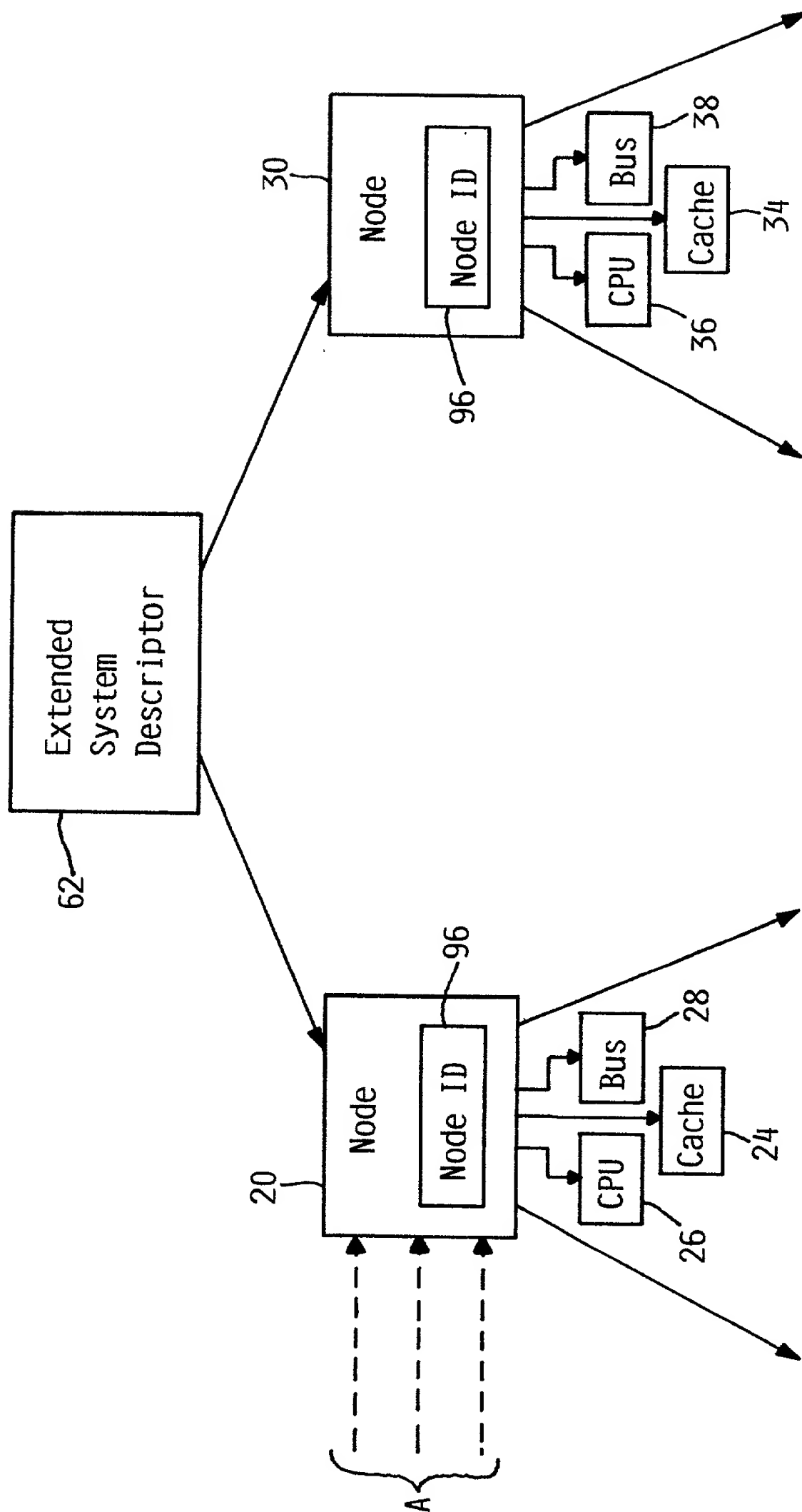


FIG. 6B

... additional levels of nodes ...

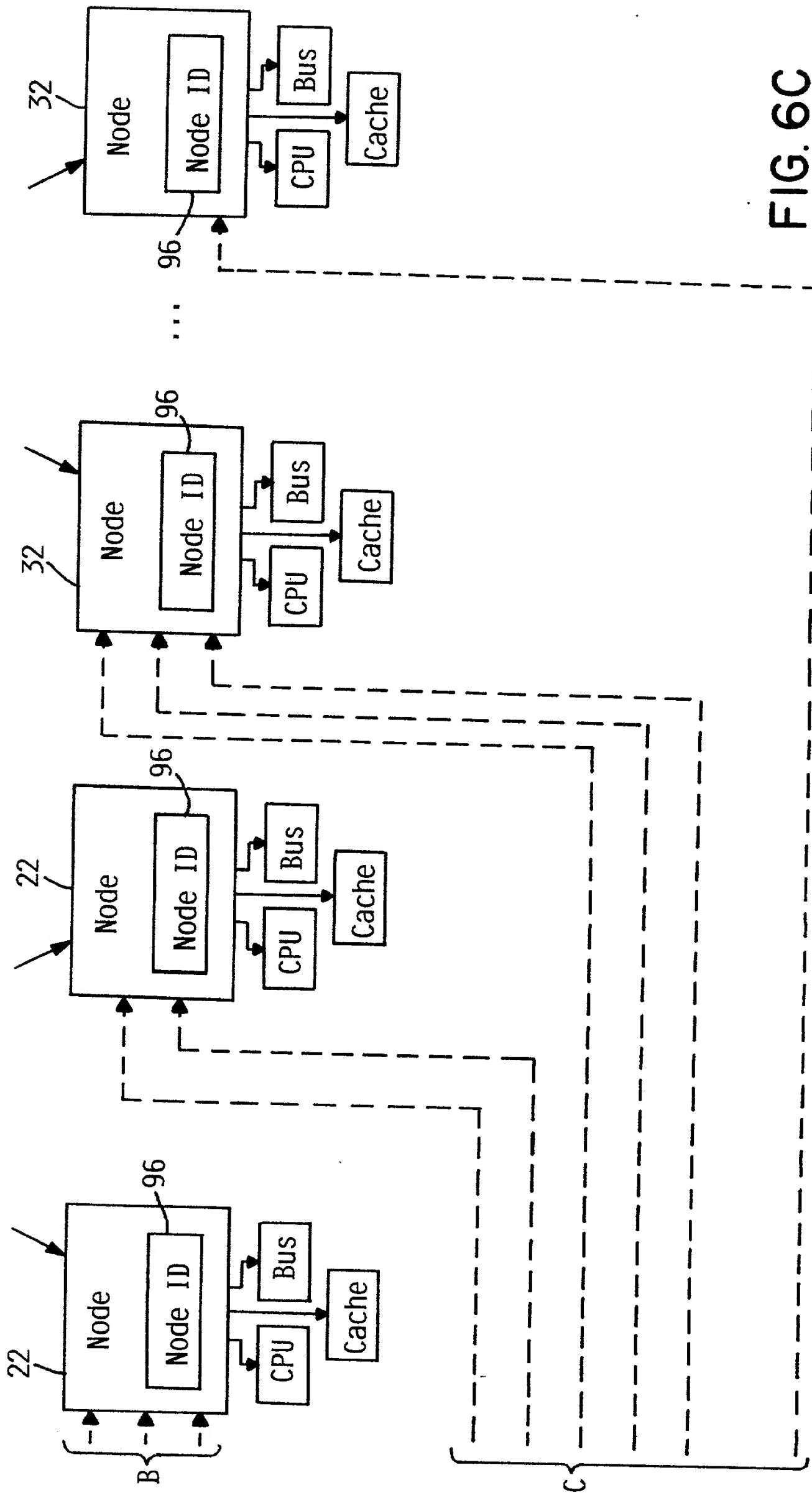
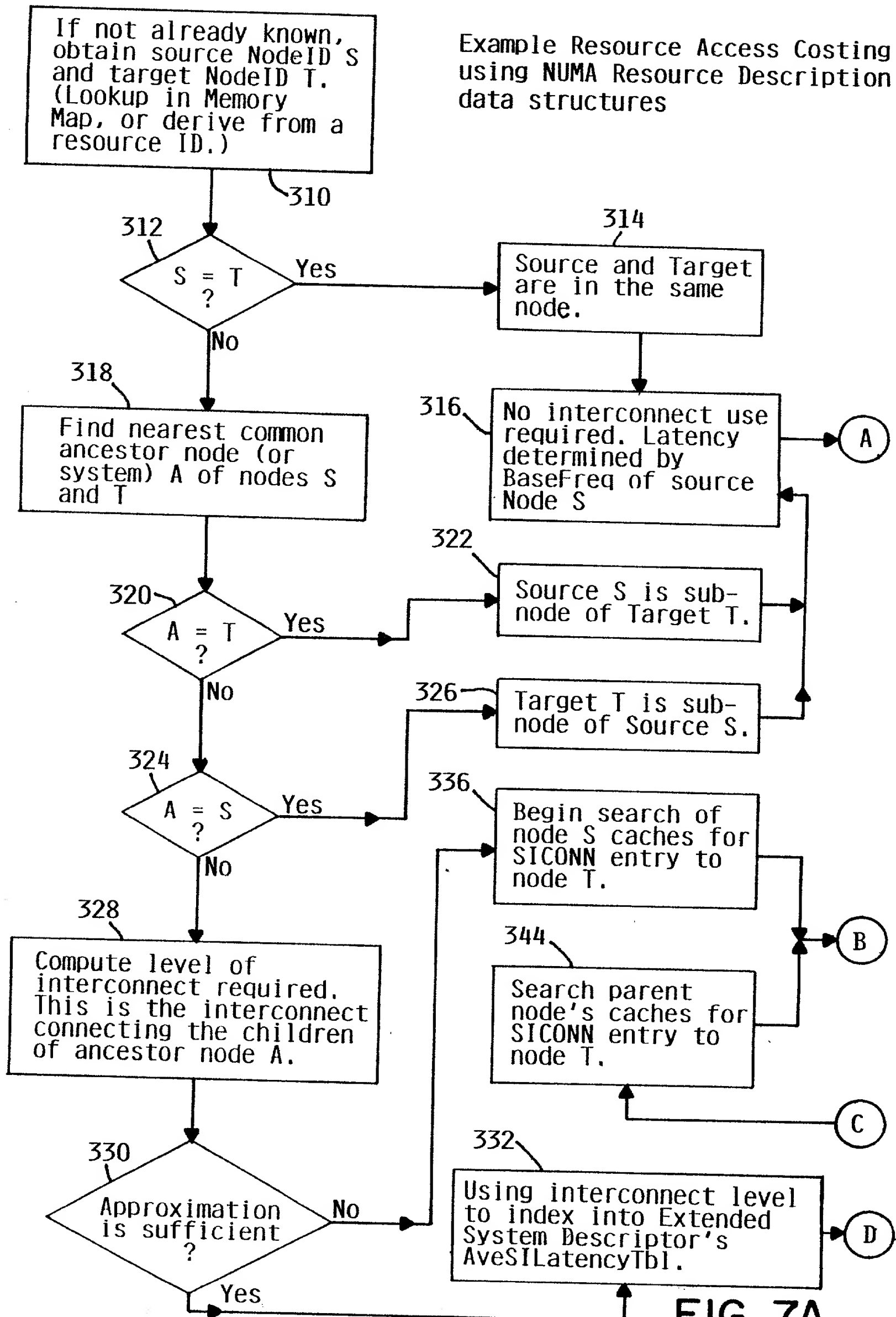


FIG. 6C



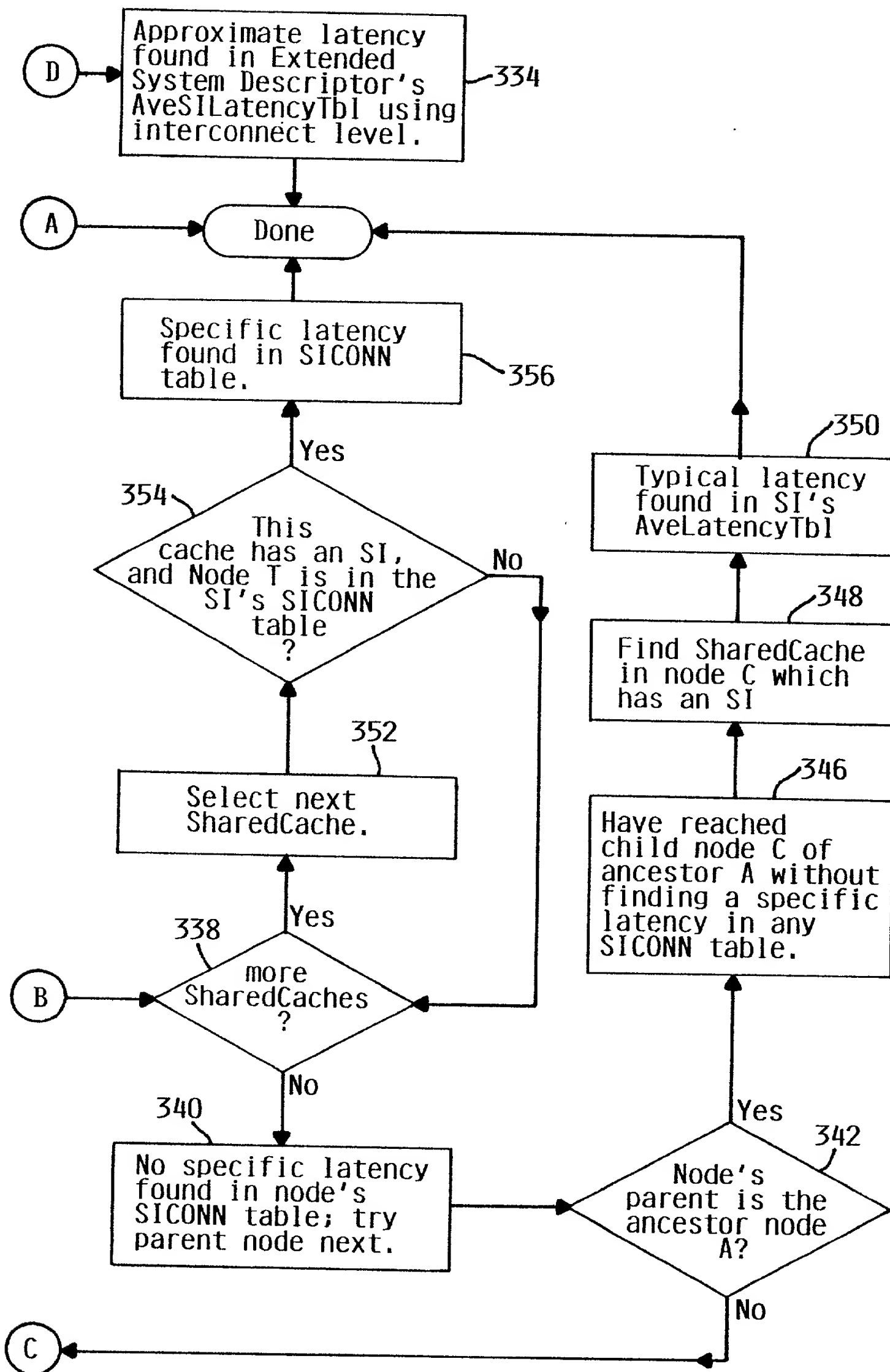


FIG. 7B